

E. HÜSI.
SUPPORT FOR PHOTOGRAPHIC APPARATUS.
APPLICATION FILED AUG. 26, 1920.

1,372,431.

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FIG.1

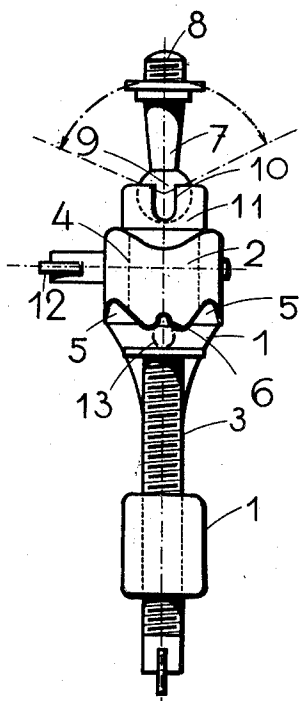


FIG.2

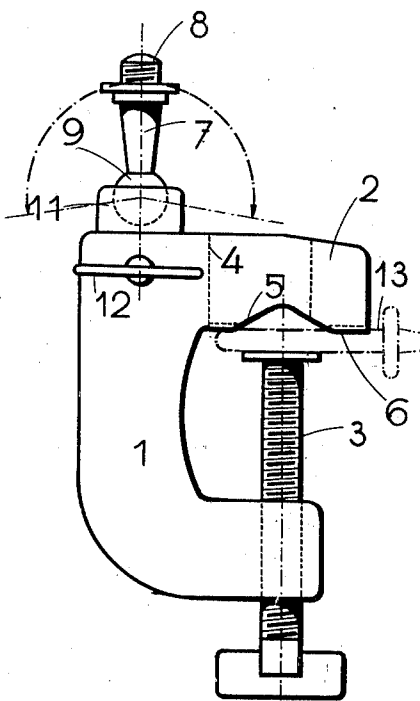


FIG.3

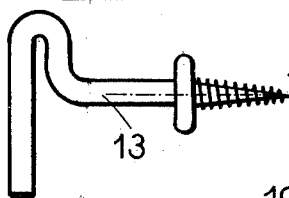
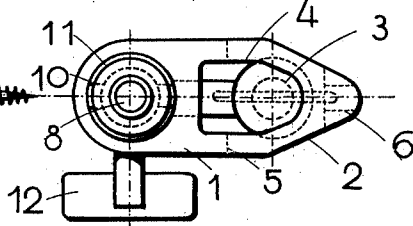


FIG.4



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SUPPORT FOR PHOTOGRAPHIC APPARATUS.

1,372,431.

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To all whom it may concern:

Be it known that I, ERNST HÜSI, a citizen of the Republic of Switzerland, residing at Solothurn, in the Canton of Solothurn, Switzerland, have invented new and useful Improvements in Supports for Photographic Apparatus, of which the following is a specification.

The present invention relates to a support for attachment of photographic apparatus to articles of different kinds, which consists of a vise with a clamping screw and an adjustable supporting arm for the apparatus connected by a ball joint with the vise. Supports of this kind have already been known but are not found very satisfactory, particularly because of their instability, the lack of freedom of movement of the photographic apparatus and also on account of the circumstance that such supports can be attached only to articles the dimensions of which suit the vise.

In the support forming the subject of the present invention these disadvantages are avoided by forming the clamping jaw of the vise with grooves or recesses so arranged that the vise grips objects with flat or rounded surfaces at least at three separate points, by arranging the supporting arm on the outer end of the vise at the end of the clamping jaw and by providing a connecting piece by which the support may be attached to any wooden article which the vise cannot grip.

The invention is illustrated in the accompanying drawing in which:

Figures 1, 2 and 4 show the support in front elevation, in side elevation, and in plan respectively.

Fig. 3 shows a wood screw adapted to serve as a connecting piece for the support.

The support shown consists of a vise 1 having a clamping jaw 2 and a clamping screw 3. The clamping jaw 2 is wedge-shaped and pointed and formed with an opening at 4. It is formed also with two lateral indentations 5 as well as a groove 6 running in a longitudinal direction. On the body of the clamping jaw is mounted the adjustable supporting arm 7 to which the photographic apparatus is screwed. For this purpose the arm is formed with a screw-threaded portion 8. The supporting arm is connected by a ball joint 9 with the vise 1

and can therefore be tilted to any angle as desired. In the socket member 11 are provided two grooves 10 which permit the supporting arm 7 to be turned through more than 180° in the plane of the vise. By means of a wing-nut 12 the arm 7 can be locked in the desired position. As the ball joint and the locking device are well known no further description thereof appears necessary.

The support described can be fastened directly by means of the vise to any object whether the latter has flat or rounded surfaces as the clamping jaw, by reason of the grooves 5 and 6, insures a tight grip. In case a wooden object cannot be gripped by the vise there is provided for fastening to wooden objects a connecting piece in the form of a wood screw 13. The latter, as shown in dotted lines in Figs. 1 and 2, is clamped in the groove 6 of the vise 1 so that the support can be firmly secured to the wooden object.

Having now fully described my said invention what I claim and desire to secure by Letters Patent is:—

1. In a support for photographic apparatus, the combination of a vise having a clamping screw and a clamping jaw provided with two lateral indentations and a groove running in a longitudinal direction, a supporting arm mounted at the outer end of the vise and on the body of the said clamping jaw, a ball joint connecting the supporting arm with the vise, and means for permitting the tilting of said arm to an angle of more than 90° in the plane of said vise.

2. In the herein-described support for photographic apparatus, the combination with a vise having a clamping screw and a clamping jaw provided with two lateral indentations and a groove running in a longitudinal direction, of a supporting arm mounted at the outer end of the vise and on the body of the said clamping jaw, a ball joint connecting the supporting arm with the vise, and a wood-screw adapted to be fitted in the aforesaid groove and clamped therein by the clamping screw, all substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification.

ERNST HÜSI.